

APR 2002  
jcc520 U.S. PTO  
02/21/02

EV 071848174 US

02/21/2002

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	6680.040
First Inventor	William Hildebrand, et al.
Title	SOLUBLE HLA LIGAND DATABASE UTILIZING PREDICTIVE ALGORITHMS AND METHODS OF MAKING AND USING SAME
Express Mail Label No.	EV 071848174 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 99]
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description -Redline Specification pgs
  - Claim(s) -Clean Specification pgs
  - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 14 ]
5. Oath or Declaration [ Total Pages 3 ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation    Divisional    Continuation-in-part (CIP)   of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number or Bar Code Label	[Redacted]			<input checked="" type="checkbox"/> Correspondence address below	
Name	Dunlap, Codding & Rogers, P.C.				
Address	9400 North Broadway, Suite 420				
City	Oklahoma City	State	OK	Zip Code	73114
Country	USA	Telephone	(405) 478-5344	Fax	(405) 478-5349
Name (Print/Type)	Douglas J. Serocco		Registration No. (Attorney/Agent)	43,145	
Signature	[Signature]		Date	2/21/02	

SEND TO: Box Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

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# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** **(\$)** 370

## Complete if Known

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	William Hildebrand, Kiley Prilliman, et al.
Examiner Name	Not Yet Assigned
Group Art Unit	Unknown
Attorney Docket No.	6680.040

## METHOD OF PAYMENT

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 04-1700

Deposit Account Name Dunlap, Codding & Rogers, P.C.

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee
106	330	206	165	Design filing fee
107	510	207	255	Plant filing fee
108	70	208	370	Reissue filing fee
114	160	214	80	Provisional filing fee
<b>SUBTOTAL (1)</b>				<b>(\$)</b> 370

### 2. EXTRA CLAIM FEES

Total Claims	5	- 20	** = 0	X 9	= 0	Fee Paid
Independent Claims	3	- 3	** = 0	X 42	= 0	
Mult. Dependent						

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee Description	
103	18	203	9	
102	84	202	42	
104	280	204	140	
109	84	209	42	
110	18	210	9	
<b>SUBTOTAL (2)</b>				<b>(\$)</b> 0

\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

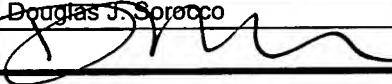
### 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee (\$)	Fee Code (\$)	
105	130	205	65
127	50	227	25
139	130	139	130
147	2,520	147	2,520
112	920*	112	920*
113	1,840*	113	1,840*
115	110	215	55
116	400	216	200
117	920	217	460
118	1,440	218	720
128	1,960	228	980
119	320	219	160
120	320	220	160
121	280	221	140
138	1,510	138	1,510
140	110	240	55
141	1,280	241	640
142	1,280	242	640
143	460	243	230
144	620	244	310
122	130	122	130
123	50	123	50
126	180	126	180
581	40	581	40
146	740	246	370
149	740	249	370
179	740	279	370
169	900	169	900
Other fee (specify) .....			
<b>SUBTOTAL (3)</b>			

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

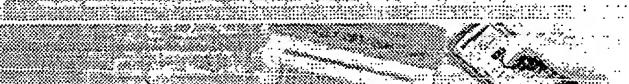
Complete if applicable

Name (Print/Type)	Douglas J. Sorocco	Registration No. (Attorney/Agent)	43,145	Telephone	(405) 478-5344
Signature				Date	02/21/2002

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